CH. VENKATA NAGENDRA

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About Me

Strong in design and integration with intuitive problem-solving skills. Proficient in PYTHON, C++. Passionate about implementing and launching new projects. Ability to translate business requirements into technical solutions. Looking to start the career.

Education

Aditya College Of Engineering	**Surampalem, Andhra Pradesh**
Bachelor of Mechanical Engineering – CGPA:7.84	November 2021 – Expected August 2024
Andhra Polytechnic Kakinada	**Kakinada, Andhra Pradesh**
Diploma in Mechanical Engineering – CGPA:8.2	2018 – 2021

Projects

Container Orchestration System utilizing Kubernetes | MiniKube, Docker, Prometheus, Grafan,Git **April 2023**

- Successfully deployed containerized microservices application utilizing Docker for containerization and Kubernetes for container orchestration.
- Contributed to configuring Kubernetes for handling increased traffic through scaling and load balancing features and also utilized Istio service mesh to enhance the microservices communication and observability.
- Participated in local testing of the application using Minikube and collaborated in the successful deployment on AWS EKS for cloud-based Kubernetes experience.

N-Queens Visualizer | HTML, CSS, Java Script **May 2023**

- The N-Queens puzzle is the problem of placing N chess queens on an N×N chessboard so that no two queens threaten each other. Thus, a solution requires that no two queens share the same row, column, or diagonal
- This algorithm is designed using recursion.

Simple E-banking System | Python, File-Handling **July 2023**

- Built a project that shows the functionality of Banking - system like Opening account, Balance enquiry, customers,Deposit and withdrawal.
- Implemented file-Handling for storage

Technical Skills

Languages | Courses: C++ | JavaScript | HTML | CSS | Data Structures and Algorithms | SQL

Frameworks: Bootstrap | React

Cloud Platforms | Tools: AWS (Amazon Web Services) | Git-GitHub | Docker | Kubernetes

Coding Profiles

Leetcode : https://leetcode.com/ch_v_nagendra/

Hacker Rank : https://www.hackerrank.com/CH_V_NAGENDRA?hr_r=1

GeeksForGeeks : https://auth.geeksforgeeks.org/user/ch_v_nagendra

CodeChef : https://www.codechef.com/users/nagendra595

Training & Certifications

Owl Coder Training: The program provided a well-structured curriculum that covered fundamental data structures and algorithm concepts. Through practical coding exercises and real-world projects, I gained hands-on experience in solving complex problems efficiently.

Training on AWS & DevOps: I acquired valuable skills and knowledge in cloud computing and modern software development practices. The program delved into various AWS services, teaching me how to design, deploy, and manage scalable and cost-effective cloud solutions.

1. AWS cloud practitioner By AWS
2. Java Foundations By Oracle Academy
3. HTML And CSS By Coursera
4. Programming essentials in Python By Cisco Network Academy